

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing Traffic Control Signal at the intersection of US 50 and Keyser Point Drive in Worcester County. US 50 is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- The intersection is to operate in a NEMA six-phase, fully-actuated mode, with the US 50 approaches continuing to run concurrently. Exclusive left turn phases shall now be provided for both approaches of US 50. The Keyser Point Road approaches shall now run as a minor street split phase.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

EQUIPMENT LIST

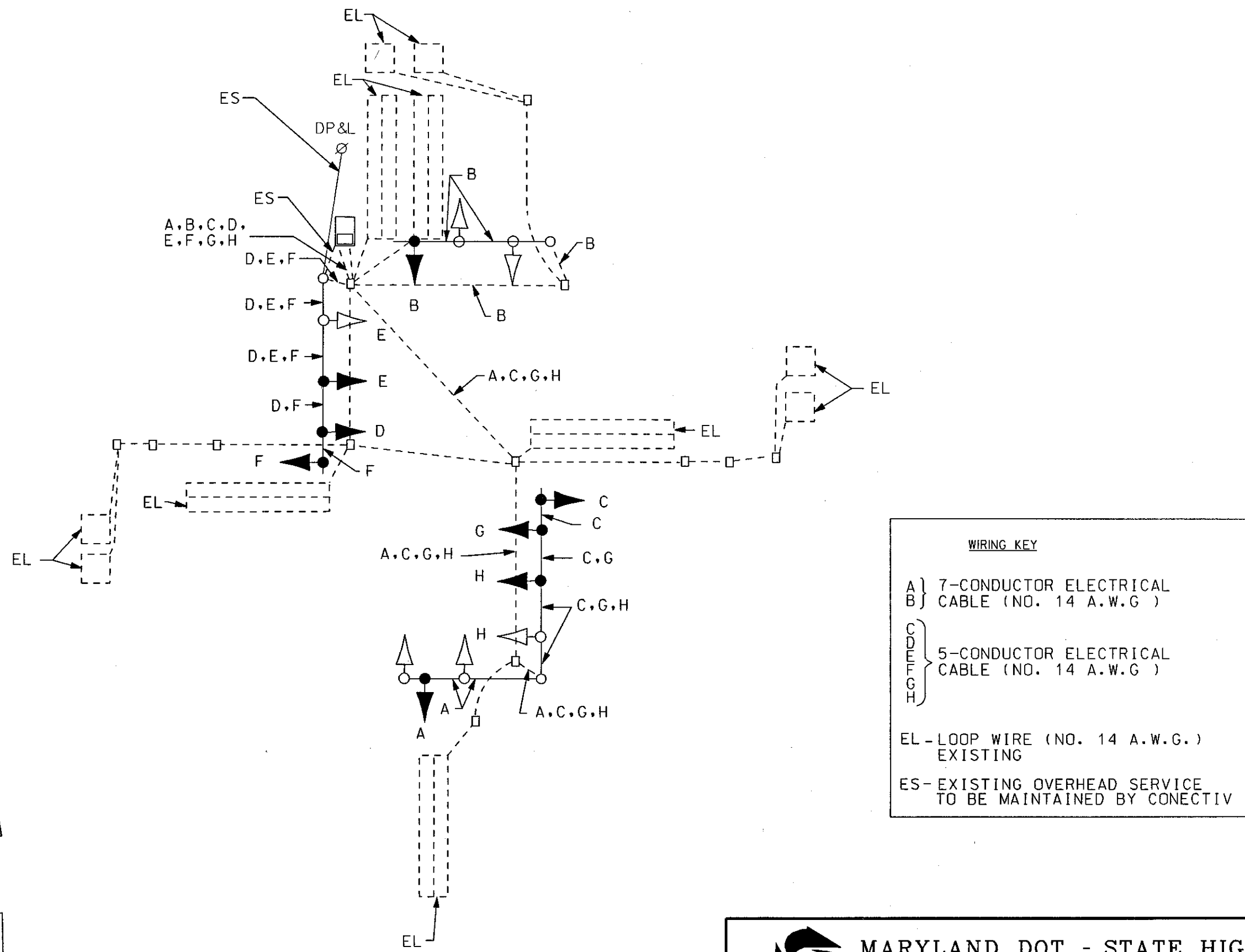
B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE S.H.A. SIGNAL SHOP.

DESCRIPTION	QUANTITY
Maintenance of traffic per assignment.	1 EA
Furnish and install 8" vehicular traffic signal head section.	3 EA
Furnish and install 12" vehicular traffic signal head section	22 EA
Furnish and install electrical cable - 5 conductor (No. 14 AWG).	1200 L.F.
Furnish and install electrical cable - 7 conductor (No. 14 AWG).	465 L.F.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 1 & 5	←G-	←G-	R	R	←G-	←G-	R	R	R	R	R	R	R	R
CHANGES TO PHASES 1 & 6, 2 & 5 OR 2 & 6														
PHASE 1 & 6	←G-	←G-	G	G	←R-	←R-	R	R	R	R	R	R	R	R
1 & 6 CHANGE	←Y-	←Y-	G	G	←R-	←R-	R	R	R	R	R	R	R	R
PHASE 2 & 5	←R-	←R-	R	R	←G-	←G-	G	G	R	R	R	R	R	R
2 & 5 CHANGE	←R-	←R-	R	R	←Y-	←Y-	G	G	R	R	R	R	R	R
PHASE 2 & 6	←R-	←R-	G	G	←R-	←R-	G	G	R	R	R	R	R	R
2 & 6 CHANGE	←R-	←R-	Y	Y	←R-	←R-	Y	Y	R	R	R	R	R	R
PHASE 3	←R-	←R-	R	R	←R-	←R-	R	R	←G-	←G-	G	R	R	R
3 CHANGE	←R-	←R-	R	R	←R-	←R-	R	R	Y	Y	Y	R	R	R
PHASE 4	←R-	←R-	R	R	←R-	←R-	R	R	R	R	←G-	←G-	G	G
4 CHANGE ALT	←R-	←R-	R	R	←R-	←R-	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/←R-	FL/←R-	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 50 AND KEYSER POINT ROAD

REVISION "A"  
ST  
STREET TRAFFIC STUDIES, LTD.  
400 Crain Hwy., N.W.  
Glen Burnie, MD 21061  
Ph (410) 590-5500  
Fax (410) 590-6637  
4594.dgn WT-33

DRAWN BY: ROB CICCHINI	F.A.P. NO. S.S.SIGNAL	TS NO. 2560A	SHEET NO. 2 OF 2
CHECKED BY: R ZACHERL	COUNTY: WORCESTER	T.I.M.S. NO. 6223	
SCALE: NONE	LOG MILE: 23005012.58		
DATE: 3-16-04			